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Substitute for form 1449A/B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/068,873-Conf. #2630 10/800,037	
			Filing Date	February 11, 2002	
			First Named Inventor	John Z.Z. Zhong	
			Art Unit	2815	
			Examiner Name	A. R. Wilson	
Sheet	1	of	1	Attorney Docket Number	8733.216.20-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA				
	AB				
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AW	BA	JP-06-242433	09-02-1994	KAZUHIRO et al.	
AW	BB	JP-04-307520	10-29-1992	TAKASHI	
	BC				
	BD				
	BE				
	BF				
	BG				
	BH				
	BI				
	BJ				

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA		
	CB		
	CC		
	CD		
	CE		

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Examiner Signature	<i>A. R. Wilson</i>	Date Considered	5/5/05
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3/15/2004

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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/068,873 10/800,097
				Filing Date	February 11, 2002
				First Named Inventor	John Z.Z. Zhong
				Art Unit	2815
				Examiner Name	Allan R. Wilson
Sheet	1	of	1	Attorney Docket Number	8733.216.20-US

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AW	BA	JP-06242433-A	09-02-1994	Kazuhiro et al.		
	BB	JP-07028093-A	01-31-1995	Masaharu		
	BC	JP-06208137-A	07-26-1994	Kiyoshi		
	BD	JP-07128670-A	05-19-1995	Kazuhiro et al.		
	BE	JP-07146491-A	06-06-1995	Masumitsu et al.		
	BF	JP-04268532-A	09-24-1992	Naonori et al.		
	BG	JP-05326636-A	12-10-1993	Katsunori		
	BH	JP-05326641-A	12-10-1993	Katsunori		
	BI	JP-04199029-A	07-20-1992	Kenichi et al.		
	BJ	JP-06123873-A	05-06-1994	Shunpei et al.		
	BK	JP-06123878-A	05-06-1994	Masaaki et al.		
AW	BL	JP-02308226-A	12-21-1990	Yuji et al.		

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	CB		
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/068,873
				Filing Date	February 11, 2002
				First Named Inventor	John Z.Z. Zhong
				Art Unit	2815
Examiner Name	A. Wilson				
Attorney Docket Number	8733.216.20-US				
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number+Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AW	AA	5,229,644-A1	07-20-1993	Wakai et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AW	BA	EP-0 490 335-A2	06-17-1992	Kennedy et al.	
AW	BB	EP-0 603 866-A1	06-29-1994	Noda et al.	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AW	CA	D. Peretti et al., "Benzocyclobutene as a Planarization Resin for Flat Panel Displays," Proceedings of the SPIE, Vol. 1665, 11-13 February 1992, pp. 331-337	
	CB	Abstract of Japanese Patent Publication No. 06242467, dated 09/02/94	
	CC	Abstract of Japanese Patent Publication No. 02196221, dated 08/02/90	
	CD	Abstract of Japanese Patent Publication No. 04163528; dated 06/09/92	
	CE	Abstract of Japanese Patent Publication No. 04291240; dated 10/15/92	
	CF	Abstract of Japanese Patent Publication No. 03242625, dated 10/29/91	
AW	CG	M.J. Radler et al., "Cyclotene Advanced Electronics Resins for High-Aperture AMLCD," SID 96 Applications Digest, pp. 33-36 1996 No month cited.	

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Examiner Signature	<i>A. Wilson</i>	Date Considered	5/5/05
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3/15/2004

Notice of References Cited

Application/Control No.

10/000,873 → 10/000,077

Applicant(s)/Patent Under Reexamination
ZHONG ET AL

Examiner

Allan R. Wilson

Art Unit

2815

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,914,761	06-1999	Ohe et al.	349/132
	B	US-6,507,045	01-2003	Gu et al.	257/72
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
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	R					
	S					
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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office
PTO-892 (Rev. 01-2001)

Notice of References Cited

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A. Wilson

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Notice of References Cited

Application/Control No.

10/068,073

10/068,073

Applicant(s)/Patent Under
Reexamination
ZHONG ET AL

Examiner

Allan R. Wilson

Art Unit

2815

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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,994,721	11-1999	Zhong et al.	257/440
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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	P					
	Q					
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	S					
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	V	
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Date: January 10, 2002

Attorney Docket No.
8733.216.20

Application No.

TBA

10/800,037

Applicant
John Z. Z. ZHONG et al.Filing Date
January 10, 2002Group
TBA

2815

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
aw	4,470,667	9/1984	Okubo et al.	—	—	—
	4,704,559	11/1987	Suginoya et al.			
	4,654,117	3/1987	Aoki et al.			
	5,003,356	3/1991	Wakai et al.			
	5,182,620	1/1993	Shimada et al.			
	5,287,208	2/1994	Shimoto et al.			
	5,302,987	4/1994	Kanemori et al.			
	5,414,278	5/1995	Kobayashi et al.			
	5,414,283	5/1995	Den Boer et al.			
	5,414,547	5/1995	Matsuo et al.			
aw	5,419,991	5/1995	Segawa	—	—	—

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

aw	Radler et al. "Bensocyclobutene Dielectric Resins for Flat Panel Display Applications." 1996 *
aw	Suzuki. "Invited Address: High-Aperture TFT Array Structures." SID 94 Digest. 1994 *
aw	Takeda et al. "A 6.4-in-Diagonal Color TFT-LCD Module Suitable for Personal Information Tools." SID 94 Digest. 1994 *

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* No month cited.

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Applicant
John Z. Z. ZHONG et al.Filing Date
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BW	5,426,523	6/1995	Shimada et al.			
	5,446,562	8/1995	Sato			
	5,453,857	9/1995	Takahara			
	5,457,553	10/1995	Mori			
	5,463,230	10/1995	Negoto et al.			
	5,532,180	7/1996	den Boer et al.			
	5,539,219	7/1996	den Boer et al.			
	5,641,974	6/1997	den Boer et al.			
	5,650,358	7/1997	Gu et al.			
	5,818,550	10/1998	Kadota et al.			
BW	5,585,951	12/1996	Noda et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

BW	Ueda. "A High Aperture Ratio TFT-LCD With a Shield-Electrode Structure." SID 93 Digest. 1993 *
BW	Vignolle et al. "Optimisation of Very Small Pitch Active Matrix LCD for Projection." IEEE, 1991. *
BW	Kim et al. "High-Aperture and Fault-Tolerant Pixel Structure for TFT-LCDs." SID 95 Digest. 1995 *

EXAMINER

D. Miller

DATE CONSIDERED

5/5/05

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**English-language abstract provided.

* No more cited.

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PATENT AND TRADEMARK OFFICEApplicant
John Z. Z. ZHONG et al.LIST OF REFERENCES CITED BY
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2815

Date: January 10, 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Quc	5,418,635	5/1995	Mitsui et al.	—	—	—
	5,568,289	10/1996	Kishida	—	—	—
	5,886,365	3/1999	Kouchi et al.	—	—	—
	4,994,434 A	2/1991	Hung et al.	505	1	—
	5,389,492 A	2/1995	Kokubo et al.	430	191	—
	5,396,262 A	3/1995	Hastings, III	345	92	—
	5,422,293 A	6/1995	Konya	438	155	—
	5,445,898 A	8/1995	Budzilek et al.	428	690	—
	5,463,484 A	10/1995	Brody	359	68	—
	5,528,209 A	6/1996	Macdonald et al.	333	247	—
Quc	5,398,126 A	3/1995	Takao et al.	359	68	—

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
Quc	10-133165	5/1998	JAPAN	Class Sub.

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Quc	Sakamoto et al. "A High-Aperture Ratio 3-in-Diagonal VGA a-Si Light Valve with Pixel/Data and Pixel/Gate Lines Overlapping." SID 96 Digest.	1996 no month cited.

EXAMINER

a. Wilk

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PATENT AND TRADEMARK OFFICE

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John Z. Z. ZHONG et al.

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EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	5/5/09
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